

LYONDELL CHEMICAL COMPANY**Channelview Plant****Plant Well No. 2 (WDW-162)****Well Completion Schematic****Status: Active**

All depths reference RKB

KB = 20' above Ground Level

GL = 32.7' above Sea Level

APR 28 2005

COMPLETION DETAIL

1. Conductor Pipe: 20". Set from surface to 91'.
 2. Surface Casing: 13-3/8", 61.0-ppf, K-55, ST&C. Set from surface to 2,561' in 17-3/8" hole. Cemented to surface w/1,370 sx Howco Lite and 400 sx Class H.
 3. Protection Casing: Mixed string as follows: 3,213' of 9-5/8", 36.0-ppf, K-55, LT&C and 4,020' of 9-5/8", 40-ppf, S-80, ST&C. Set from surface to 7,333' in a 12-1/4" hole. Multi-Stage Cement Tool at 4,812'. Cemented to surface w/400 sx Class H, 640 sx Howco Lite, and 100 sx 50/50 Pozmix.
 4. Injection Tubing: 5-1/2", 15.5-ppf, K-55, LT&C. Set from surface to 6,318'.
 5. Annulus Fluid: Filled with 8.7-ppg NaCl brine w/corrosion inhibitor.
 6. Injection Packer: Texas Iron Works "LH" set at 6,318' to 6,328'. Tail pipe - 20.43' of 5-1/2", 15.5-ppf, K-55, LT&C w/half mule shoe at 6,348'.
 7. ^{4/2003} Perforated Injection Interval, 6,700' to 6,800'. Perforated with 6 shots per foot - Frio E&F Sand.
 8. Top of junk left in wellbore, Wood Group, RA Velocity Tool String Bottom at 6,841', Length 25', 4/10/2003. 1-3/8" O.D. tool string with 2" O.D. weight bars.
 9. Plug Back Depth: 6,851'. HPI vented through tubing plug set at 6,883', with 12 cubic feet of Class H w/2% Calcium Chloride.
 10. Top of junk left in wellbore, Halliburton Camera, top at 6,880', 2002.
 11. Abandoned Completion: perforated with 4 shots per foot from:
 - 6,892' to 6,906' Frio A 6,910' to 6,926' Frio A
 - 6,970' to 6,976' Frio B 6,980' to 7,020' Frio B
 - 7,084' to 7,146' Frio C
 12. Plug Back Depth: 7,233'
 13. Drilled to a total depth of 7,242'
- NOTES-**
- Base of USDW: 3,550'.
 - Regulatory Intervals:
 - Confining Zone: 4,750' to 5,150' (Anahuac Fm.)
 - Injection Zone: 5,150' to 7,350' (Frio & Vxb Fm.)
 - Injection Interval: 6,878' to 7,270' (Frio A/B/C Sand)
 - Injection Interval: 6,634' to 6,858' (Frio E&F Sand)
 - Injection Interval: 6,506' to 6,616' (Frio D Sand)
- Depths referenced to WDW-162, Induction Log

GROUND LEVEL

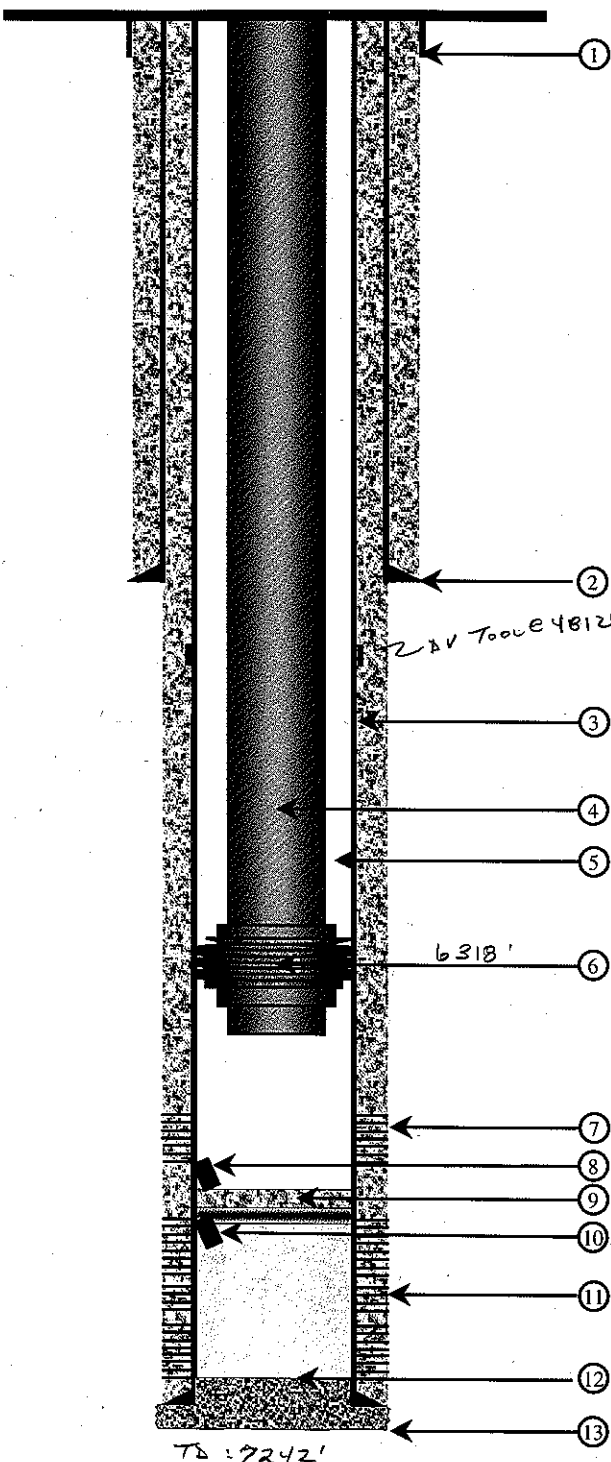



Figure 1-5:

Current Completion Schematic - Plant Well No. 2 (WDW-162)

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Drawn by: djc	Date: 4/2005	Drawing not to scale
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